

RAW SEQUENCE LISTING

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Application Serial Number: 10|S201008
Source: PCT
Date Processed by STIC: 3/16/06

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PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/520,008

DATE: 03/16/2006
TIME: 11:54:34

Input Set : A:\seqlist.txt
Output Set: N:\CRF4\03162006\J520008.raw

3 <110> APPLICANT: TAKARA BIO INC.
 5 <120> TITLE OF INVENTION: Method for introducing mutation into target nucleic acid
 7 <130> FILE REFERENCE: 663910
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/520,008
 C--> 9 <141> CURRENT FILING DATE: 2004-12-30
 9 <150> PRIOR APPLICATION NUMBER: JP 2002-204887
 10 <151> PRIOR FILING DATE: 2002-07-12
 12 <150> PRIOR APPLICATION NUMBER: JP 2003-113534
 13 <151> PRIOR FILING DATE: 2003-04-18
 15 <160> NUMBER OF SEQ ID NOS: 16
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 720
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Artificial Sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: Description of Artificial Sequence: Gene encoding red-shifted
 26 green fluorescence protein.
 28 <400> SEQUENCE: 1
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 30 ggtgatgtta acggccacaa gttctctgtc agtggagagg gtgaaggta tgcaacatac 120
 31 ggaaaaactta ccctgaagtt catctgcact actggcaaac tgcctgttcc atggccaaca 180
 32 ctagtcacta ctctgtgcta tggtgttcaa tgctttcaa gatacccgga tcatatgaaa 240
 33 cggcatgact tttcaagag tgccatgccc gaaggttagt tacagggaaag gaccatctc 300
 34 ttccaaagatg acggcaacta caagacacgt gctgaagtca agtttgaagg tgataaccctt 360
 35 gttaatagaa tcgagttaaa aggtattgac ttcaaggaag atggaaacat tctggacac 420
 36 aaatttggaaat acaactataa ctcacacaaat gtatacatca tggcagacaa acaaaagaat 480
 37 ggaatcaaag tgaacttcaa gacccgccc aacattgaag atggaagcgt tcaactagca 540
 38 gaccattatac aacaaaatac tccaattggc gatggccctg tcctttacc agacaaccat 600
 39 tacctgtcca cacaatctgc cctttcgaaa gatcccaacg aaaagagaga ccacatggtc 660
 40 cttcttgagt ttgtacacgc tgctggatt acacatggca tggatgaact gtacaactga 720
 43 <210> SEQ ID NO: 2
 44 <211> LENGTH: 40
 45 <212> TYPE: DNA
 46 <213> ORGANISM: Artificial Sequence
 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer Us-EcoRI to
 50 amplify a gene encoding red-shifted green fluorescence
 51 protein.
 53 <400> SEQUENCE: 2
 54 cttgaattcg gtaccgagct cggatcgggc gcgcaagaaa 40
 57 <210> SEQ ID NO: 3
 58 <211> LENGTH: 20

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59 <212> TYPE: DNA
 60 <213> ORGANISM: Artificial Sequence
 62 <220> FEATURE:
 63 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer DEND to
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 64 a gene encoding red-shifted green fluorescence protein.
 66 <400> SEQUENCE: 3
 67 cactggccgc cgttactagt 20
 70 <210> SEQ ID NO: 4
 71 <211> LENGTH: 40
 72 <212> TYPE: DNA
 73 <213> ORGANISM: Artificial Sequence
 75 <220> FEATURE:
 76 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer Us-HindIII
 77 to amplify a gene encoding red-shifted green fluorescence
 78 protein.
 80 <400> SEQUENCE: 4
 81 cttaagcttg gtaccgagct cggatcgggc ggcgaagaaa 40
 84 <210> SEQ ID NO: 5
 85 <211> LENGTH: 40
 86 <212> TYPE: DNA
 87 <213> ORGANISM: Artificial Sequence
 89 <220> FEATURE:
 90 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer U100HindIII
 91 to amplify a portion of gene encoding red-shifted green
 92 fluorescence protein.
 94 <400> SEQUENCE: 5
 95 ctaagcttct ggcaaaactgc ctgttccatg gccaacacta 40
 98 <210> SEQ ID NO: 6
 99 <211> LENGTH: 40
 100 <212> TYPE: DNA
 101 <213> ORGANISM: Artificial Sequence
 103 <220> FEATURE:
 104 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer D100BamHI to
 105 amplify a portion of gene encoding red-shifted green
 106 fluorescence protein.
 108 <400> SEQUENCE: 6
 109 tcggatccaa gtcatgcgt ttcatatgtat ccgggtatct 40
 112 <210> SEQ ID NO: 7
 113 <211> LENGTH: 37
 114 <212> TYPE: DNA
 115 <213> ORGANISM: Artificial Sequence
 117 <220> FEATURE:
 118 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer Us-EcoRI-1
 119 to amplify a gene encoding red-shifted green fluorescence
 120 protein.
 122 <400> SEQUENCE: 7
 123 gaattcggta ccgagctcggtatccggccgcg caagaaa 37
 126 <210> SEQ ID NO: 8
 127 <211> LENGTH: 37

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128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer Us-HindIII-1
133 to amplify a gene encoding red-shifted green fluorescence
134 protein.
136 <400> SEQUENCE: 8
137 aagcttggta ccgagctcg atcgggcgcaaa 37
140 <210> SEQ ID NO: 9
141 <211> LENGTH: 38
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer U100HindIII-1
147 to amplify a portion of gene encoding red-shifted green
148 fluorescence protein.
150 <400> SEQUENCE: 9
151 aagttctgg caaactgcct gttccatggc caacacta 38
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155 <211> LENGTH: 54
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157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <221> NAME/KEY: modified_base
161 <222> LOCATION: (1)..(4)
162 <223> OTHER INFORMATION: um
164 <220> FEATURE:
165 <221> NAME/KEY: modified_base
166 <222> LOCATION: (50)..(53)
167 <223> OTHER INFORMATION: um
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence: Chimeric oligonucleotide
171 ss Oligo.
173 <400> SEQUENCE: 10
174 uuuuatcttg aaaagcattg aacaccatag cacagagtag tgactagtgu uuut 54
177 <210> SEQ ID NO: 11
178 <211> LENGTH: 35
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer RNA-ecori
184 to amplify a portion of gene encoding red-shifted green
185 fluorescence protein."nucleotides 1 to 6 are 2'-O-methyl
186 ribonucleotides - other nucleotides are deoxyribonucleotides"
188 <400> SEQUENCE: 11
189 gaauucggta ccgagctcg atcgggcgcaaga 35
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 35
194 <212> TYPE: DNA

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195 <213> ORGANISM: Artificial Sequence
 197 <220> FEATURE:
 198 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer RNA-hindIII
 199 to amplify a portion of gene encoding red-shifted green
 200 fluorescence protein. "nucleotides 1 to 6 are 2'-O-methyl
 201 ribonucleotides - other nucleotides are deoxyribonucleotides"
 204 <400> SEQUENCE: 12
 205 aagcuuggta ccgagctcg atcgggagag caaga 35
 208 <210> SEQ ID NO: 13
 209 <211> LENGTH: 30
 210 <212> TYPE: DNA
 211 <213> ORGANISM: homo sapience
 213 <400> SEQUENCE: 13
 214 gattgcttta gcttgaaat tccggagctg 30
 217 <210> SEQ ID NO: 14
 218 <211> LENGTH: 40
 219 <212> TYPE: DNA
 220 <213> ORGANISM: Artificial Sequence
 222 <220> FEATURE:
 223 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer GFP-kB1 to
 224 amplify a portion of gene encoding red-shifted green
 225 fluorescence protein.
 227 <400> SEQUENCE: 14
 228 agctaaagca atctcagttg tacagttcat ccatgccatg 40
 230 <210> SEQ ID NO: 15
 231 <211> LENGTH: 40
 232 <212> TYPE: DNA
 233 <213> ORGANISM: Artificial Sequence
 235 <220> FEATURE:
 236 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer GFP-kB2 to
 237 amplify a portion of gene encoding red-shifted green
 238 fluorescence protein.
 240 <400> SEQUENCE: 15
 241 tccggaattt ccaagctaaa gcaatctcag ttgtacagtt 40
 244 <210> SEQ ID NO: 16
 245 <211> LENGTH: 40
 246 <212> TYPE: DNA
 247 <213> ORGANISM: Artificial Sequence
 249 <220> FEATURE:
 250 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer GFP-kB3 to
 251 amplify a portion of gene encoding red-shifted green
 252 fluorescence protein.
 254 <400> SEQUENCE: 16
 255 ttttggatcc cagctccgga atttccaagc taaagcaatc 40

VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date